

09/937 924

WEST Search History

DATE: Monday, June 09, 2003

| <u>Set Name</u> | <u>Query</u> | <u>Hit Count</u> | <u>Set Name</u> |
|--|---------------------------------------|------------------|-----------------|
| side by side | | result set | |
| <i>DB=USPT,PGPB; THES=ASSIGNEE; PLUR=YES; OP=ADJ</i> | | | |
| L8 | L7 and l6 and l5 and l3 and l2 and l1 | 3 | L8 |
| L7 | 424/618 | 343 | L7 |
| L6 | 424/414 | 166 | L6 |
| L5 | 424/413 | 215 | L5 |
| L4 | 424/412 | 211 | L4 |
| L3 | 424/411 | 502 | L3 |
| L2 | 424/405 | 2991 | L2 |
| L1 | 424/404 | 871 | L1 |

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FILE 'USPATFULL' ENTERED AT 12:53:45 ON 10 JUN 2003
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=> s silver salt
L1 18843 SILVER SALT

=> s water soluble protein
L2 5343 WATER SOLUBLE PROTEIN

三

=> s antimicrobial
L3 148461 ANTIMICROBIAL

=> s silver protein
L4 509 SILVER PROTEIN

=> S water soluble silver protein
L5 0 WATER SOLUBLE SILVER PROTEIN

=> s 11 and 12

=> s 12 and 14
L7 0 L2 AND L4

=> s 11 and 14
L8 42 L1 AND L4

=> s 18 and 13
L9 27 L8 AND L3

=> d 16 1-4

L6 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2003 ACS
AN 2000:725660 CAPLUS
DN 133:286560
TI Silver-containing complex protein as antibacterial/antifungal agents and
papers treated with the same
IN Kawaguchi, Yoshihiro
PA Katayama Chemical Inc., Japan
SO PCT Int. Appl., 61 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--------|---|--|----------|-----------------|----------|
| PI | WO 2000059937 | A1 | 20001012 | WO 2000-JP2053 | 20000330 |
| | W: AU, CN, KR, NZ, US | | | | |
| | RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| | JP 2000344798 | A2 | 20001212 | JP 2000-30690 | 20000208 |
| PRAI | JP 1999-96847 | A | 19990402 | | |
| | JP 2000-30690 | A | 20000208 | | |
| RE.CNT | 3 | THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT | | | |

L6 ANSWER 2 OF 4 USPATFULL
AN 1999:78794 USPATFULL
TI Redispersible powder compositions for preparing photographic recording
materials
IN Kohlhammer, Klaus, Marktl, Germany, Federal Republic of
Roth-Greiner, Wolfgang, Weil am Rhein, Germany, Federal Republic of
Figge, Reiner, Ampfing, Germany, Federal Republic of
Haerzschel, Reinhard, Burghausen, Germany, Federal Republic of
PA Wacker-Chemie GmbH, Munich, Germany, Federal Republic of (non-U.S.
corporation)
PI US 5922789 19990713
AI US 1998-58328 19980409 (9)
PRAI DE 1997-197163505 19970418
DT Utility
FS Granted
LN.CNT 511
INCL INCLM: 524/017.000
INCLS: 524/022.000; 524/023.000; 524/024.000
NCL NCLM: 524/017.000
NCLS: 524/022.000; 524/023.000; 524/024.000
IC [6]
ICM: C08L057-04
ICS: D41M005-00; G03C001-04
EXF 524/17; 524/22; 524/23; 524/24
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 3 OF 4 USPATFULL
AN 82:42380 USPATFULL
TI Medicinally useful, shaped mass of collagen resorbable in the body

IN Wahlig, Helmut, Darmstadt, Germany, Federal Republic of
Dingeldorf, Elvira, Dreieich, Germany, Federal Republic of
Braun, Dietrich, Darmstadt-Arheilgen, Germany, Federal Republic of
PA Merck Patent Gesellschaft mit beschränkter Haftung, Darmstadt, Germany,
Federal Republic of (non-U.S. corporation)
PI US 4347234 19820831
AI US 1981-273291 19810615 (6)
RLI Division of Ser. No. US 1979-82520, filed on 9 Oct 1979, now patented,
Pat. No. US 4291013
PRAI DE 1978-2843963 19780109
DT Utility
FS Granted
LN.CNT 638
INCL INCLM: 424/015.000
INCLS: 424/016.000; 424/019.000; 424/021.000; 424/022.000; 424/028.000;
424/036.000; 424/177.000; 424/359.000; 424/014.000; 128/260.000;
128/335.500; 003/001.900; 003/001.910
NCL NCLM: 424/426.000
NCLS: 514/801.000; 604/368.000; 606/229.000; 623/001.420
IC [3]
ICM: A61K009-22
ICS: A61K009-26; A61F013-00; A61L015-03
EXF 424/14; 424/15; 424/16; 424/19; 424/21; 424/22; 424/28; 424/36; 424/177;
424/359; 128/260; 128/335.5; 003/1.9; 003/1.91
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 4 OF 4 USPATFULL
AN 81:51845 USPATFULL
TI Medicinally useful, shaped mass of collagen resorbable in the body
IN Wahlig, Helmut, Darmstadt, Germany, Federal Republic of
Dingeldein, Elvira, Dreieich, Germany, Federal Republic of
Braun, Dietrich, Darmstadt, Germany, Federal Republic of
PA Merck Patent Gesellschaft Mit Beschränkter Haftung, Darmstadt, Germany,
Federal Republic of (non-U.S. corporation)
PI US 4291013 19810922
AI US 1979-82520 19791009 (6)
PRAI DE 1978-2843963 19781009
DT Utility
FS Granted
LN.CNT 639
INCL INCLM: 424/016.000
INCLS: 128/260.000; 424/014.000; 424/019.000; 424/021.000; 424/022.000;
424/028.000; 424/036.000; 424/078.000; 424/359.000; 424/095.000;
003/001.900
NCL NCLM: 424/426.000
NCLS: 424/572.000; 514/773.000; 530/356.000
IC [3]
ICM: A61K009-22
ICS: A61K009-26; A61F013-00; A61L015-03
EXF 424/16; 424/19-22; 424/28; 424/36; 424/78; 424/359; 424/95; 128/260;
128/335.5; 003/1.9; 003/1.91
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 19 1-27

L9 ANSWER 1 OF 27 CAPLUS COPYRIGHT 2003 ACS
AN 2001:416466 CAPLUS
DN 135:24729
TI Absorbing material with antimicrobial ingredient
IN Engelhardt, Friedrich; Frenz, Volker; Herfert, Norbert
PA BASF A.-G., Germany
SO Ger. Offen., 12 pp.
CODEN: GWXXBX

DT Patent
 LA German
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--|------|----------|------------------|----------|
| PI | DE 19958697 | A1 | 20010607 | DE 1999-19958697 | 19991206 |
| | WO 2001041819 | A1 | 20010614 | WO 2000-EP11578 | 20001121 |
| | W: CA, JP, MX, US | | | | |
| | RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR | | | | |
| PRAI | DE 1999-19958697 | A | 19991206 | | |

L9 ANSWER 2 OF 27 CAPLUS COPYRIGHT 2003 ACS
 AN 2000:627919 CAPLUS
 DN 133:204196
 TI Cooking grill with incorporated inorganic antimicrobial agent
 IN Trogolo, Jeffrey A.; Barry, John E.
 PA Healthshield Technologies L.L.C., USA
 SO PCT Int. Appl., 22 pp.
 CODEN: PIXXD2

DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 2000051429 | A1 | 20000908 | WO 2000-US5591 | 20000301 |
| | W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| | RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| PRAI | US 1999-260580 | A | 19990301 | | |

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 3 OF 27 CAPLUS COPYRIGHT 2003 ACS
 AN 1989:540590 CAPLUS
 DN 111:140590
 TI Antimicrobial agents containing latexes and silver protein
 IN Umemura, Yoshihiro; Ozaki, Yasuhiko; Kawaide, Akihito
 PA Unitika Ltd., Japan
 SO Eur. Pat. Appl., 8 pp.
 CODEN: EPXXDW

DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|-------------|------|----------|-----------------|----------|
| PI | EP 318258 | A2 | 19890531 | EP 1988-311063 | 19881123 |
| | EP 318258 | A3 | 19891213 | | |
| | EP 318258 | B1 | 19930407 | | |
| | R: DE, GB | | | | |
| | JP 01138246 | A2 | 19890531 | JP 1987-297106 | 19871125 |
| | JP 06011812 | B4 | 19940216 | | |
| | JP 01138247 | A2 | 19890531 | JP 1987-297108 | 19871125 |
| | JP 05088900 | B4 | 19931224 | | |
| | US 4902503 | A | 19900220 | US 1988-275307 | 19881123 |
| | EP 516184 | A1 | 19921202 | EP 1992-112397 | 19881123 |
| | EP 516184 | B1 | 19960828 | | |

R: DE, GB

PRAI JP 1987-297106 19871125
JP 1987-297108 19871125

L9 ANSWER 4 OF 27 USPATFULL
AN 2003:29889 USPATFULL
TI Silver alginate foam compositions
IN Scherr, George H., Park Forest, IL, UNITED STATES
PI US 2003021832 A1 20030130
AI US 2001-912337 A1 20010726 (9)
DT Utility
FS APPLICATION
LN.CNT 871
INCL INCLM: 424/445.000
INCLS: 264/054.000
NCL NCLM: 424/445.000
NCLS: 264/054.000
IC [7]
ICM: A61K009-70
ICS: B29D001-00; A61L015-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 5 OF 27 USPATFULL
AN 2002:315371 USPATFULL
TI Surface treated ligating clip
IN Mandel, Stanley R., Chapel Hill, NC, UNITED STATES
Whitney, James R., Morrisville, NC, UNITED STATES
PI US 2002177863 A1 20021128
AI US 2001-864585 A1 20010524 (9)
DT Utility
FS APPLICATION
LN.CNT 544
INCL INCLM: 606/158.000
NCL NCLM: 606/158.000
IC [7]
ICM: A61B017-08

L9 ANSWER 6 OF 27 USPATFULL
AN 2002:308641 USPATFULL
TI Combinations of antiseptic and antibiotic agents that inhibit the development of resistant microorganisms
IN Modak, Shanta M., River Edge, NJ, UNITED STATES
Tambe, Suhas, New York, NY, UNITED STATES
Sampath, Lester A., Nyack, NY, UNITED STATES
PI US 2002173775 A1 20021121
AI US 2001-775775 A1 20010202 (9)
DT Utility
FS APPLICATION
LN.CNT 1418
INCL INCLM: 606/001.000
INCLS: 128/897.000; 604/019.000
NCL NCLM: 606/001.000
NCLS: 128/897.000; 604/019.000
IC [7]
ICM: A61B017-00
ICS: A61B019-00

L9 ANSWER 7 OF 27 USPATFULL
AN 2002:275732 USPATFULL
TI Stabilized compositions having antibacterial activity
IN Pedersen, Lars Haastrup, Gistrup, DENMARK
Samuelsen, Peter Boman, Rungsted Kyst, DENMARK
Larsen, Kim Lambertsen, Aalborg Oist, DENMARK
PA Coloplast A/S, Humlebaek, DENMARK (non-U.S. corporation)

PI US 6468521 B1 20021022
WO 2000009173 20000224
AI US 2001-774180 20010201 (9)
WO 1999-DK434 19990813
PRAI DK 1998-1033 19980814
DT Utility
FS GRANTED
LN.CNT 444
INCL INCLM: 424/078.170
INCLS: 424/422.000; 424/423.000
NCL NCLM: 424/078.170
NCLS: 424/422.000; 424/423.000
IC [7]
ICM: A61K047-48
ICS: A61F013-00; A61F002-00
EXF 424/78.17; 424/406; 424/422; 424/423
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 8 OF 27 USPATFULL
AN 2002:227636 USPATFULL
TI Compositions and methods for promoting wound healing
IN Newell, Martha K., Colorado Springs, CO, UNITED STATES
Askill, Ian, Colorado Springs, CO, UNITED STATES
Pierce, Javin, Stowe, VT, UNITED STATES
Crisp, William, Paradise Valley, AZ, UNITED STATES
PI US 2002122787 A1 20020905
AI US 2001-823851 A1 20010330 (9)
PRAI US 2000-195580P 20000406 (60)
DT Utility
FS APPLICATION
LN.CNT 1110
INCL INCLM: 424/078.370
INCLS: 424/618.000
NCL NCLM: 424/078.370
NCLS: 424/618.000
IC [7]
ICM: A61K031-785
ICS: A61K033-38
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 9 OF 27 USPATFULL
AN 2002:83415 USPATFULL
TI BELT HAVING ANTIMICROBIAL ACTION
IN BARRY, JOHN E., DERRY, NH, UNITED STATES
TROGOLO, JEFFREY A., BOSTON, MA, UNITED STATES
PASTECKI, ELIZABETH A., WATERTOWN, MA, UNITED STATES
PI US 2002043447 A1 20020418
AI US 1998-146877 A1 19980903 (9)
DT Utility
FS APPLICATION
LN.CNT 519
INCL INCLM: 198/618.000
NCL NCLM: 198/618.000
IC [7]
ICM: B65G035-00

L9 ANSWER 10 OF 27 USPATFULL
AN 2002:21925 USPATFULL
TI ANTIMICROBIAL FOOD TRAY
IN BARRY, JOHN E., DERRY, NH, UNITED STATES
TROGOLO, JEFFREY A., BOSTON, MA, UNITED STATES
PI US 2002012760 A1 20020131
AI US 1999-260186 A1 19990301 (9)
DT Utility

FS APPLICATION
LN.CNT 367
INCL INCLM: 428/035.700
NCL NCLM: 428/035.700
IC [7]
ICM: B32B001-02

L9 ANSWER 11 OF 27 USPATFULL
AN 2002:10826 USPATFULL
TI COOKING GRILL WITH ANTIMICROBIAL AGENT
IN TROGOLO, JEFFREY A., BOSTON, MA, UNITED STATES
BARRY, JOHN E., DERRY, NH, UNITED STATES
PI US 2002005194 A1 20020117
AI US 1999-260580 A1 19990301 (9)
DT Utility
FS APPLICATION
LN.CNT 483
INCL INCLM: 126/025.000R
INCLS: 126/041.000R
NCL NCLM: 126/025.000R
NCLS: 126/041.000R
IC [7]
ICM: F24B003-00
ICS: A47J037-00; F24C003-00

L9 ANSWER 12 OF 27 USPATFULL
AN 2001:170762 USPATFULL
TI Hydrogel wound dressing and the method of making and using the same
IN McGhee, Diane, Hazelwood, MO, United States
Huang, Yeong Hua, St. Louis, MO, United States
Earhart, Stephen B., St. Louis, MO, United States
Fiehler, William R., St. Louis, MO, United States
PI US 2001026810 A1 20011004
AI US 2001-772801 A1 20010130 (9)
RLI Continuation-in-part of Ser. No. US 1998-156547, filed on 17 Sep 1998,
GRANTED, Pat. No. US 6180132
DT Utility
FS APPLICATION
LN.CNT 611
INCL INCLM: 424/486.000
INCLS: 424/618.000; 514/006.000; 514/027.000; 514/253.080; 424/769.000;
424/750.000; 424/736.000
NCL NCLM: 424/486.000
NCLS: 424/618.000; 514/006.000; 514/027.000; 514/253.080; 424/769.000;
424/750.000; 424/736.000
IC [7]
ICM: A61K009-70
ICS: A61K038-16; A61K035-78; A61K033-38
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 13 OF 27 USPATFULL
AN 2001:119393 USPATFULL
TI Triclosan and silver compound containing medical devices
IN Modak, Shanta, River Edge, NJ, United States
Sampath, Lester, Nyack, NY, United States
PI US 2001010016 A1 20010726
AI US 2001-777121 A1 20010205 (9)
RLI Continuation of Ser. No. US 1999-281872, filed on 31 Mar 1999, GRANTED,
Pat. No. US 6224579
DT Utility
FS APPLICATION
LN.CNT 1571
INCL INCLM: 623/001.420
NCL NCLM: 623/001.420

IC [7]
ICM: A61F002-06

L9 ANSWER 14 OF 27 USPATFULL
AN 2001:62958 USPATFULL
TI Triclosan and silver compound containing medical devices
IN Modak, Shanta, River Edge, NJ, United States
Sampath, Lester, Nyack, NY, United States
PA The Trustees of Columbia University in the City of New York, New York,
NY, United States (U.S. corporation)
PI US 6224579 B1 20010501
AI US 1999-281872 19990331 (9)
DT Utility
FS Granted
LN.CNT 1488
INCL INCLM: 604/265.000
INCLS: 424/422.000; 623/001.000; 428/035.700
NCL NCLM: 604/265.000
NCLS: 424/422.000; 428/035.700
IC [7]
ICM: A61M005-32
EXF 604/265; 604/264; 428/35.7; 428/36.9; 606/76; 424/422; 623/1

L9 ANSWER 15 OF 27 USPATFULL
AN 2000:127962 USPATFULL
TI Antibiotic toothpaste
IN Barry, John E., Derry, NH, United States
Trogolo, Jeffrey A., Boston, MA, United States
PA HealthShield Technologies L.L.C., West Hartford, CT, United States (U.S.
corporation)
PI US 6123925 20000926
AI US 1998-123755 19980727 (9)
DT Utility
FS Granted
LN.CNT 584
INCL INCLM: 424/049.000
INCLS: 424/617.000; 424/618.000; 424/630.000; 424/642.000
NCL NCLM: 424/049.000
NCLS: 424/617.000; 424/618.000; 424/630.000; 424/642.000
IC [7]
ICM: A61K007-16
ICS: A61K033-30; A61K033-34; A61K033-38
EXF 424/49-58
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 16 OF 27 USPATFULL
AN 2000:88375 USPATFULL
TI Multilayer laminate wound dressing
IN Flick, A. Bart, Lakemont, GA, United States
PA Argentum International, Roswell, GA, United States (U.S. corporation)
PI US 6087549 20000711
AI US 1997-935026 19970922 (8)
DT Utility
FS Granted
LN.CNT 896
INCL INCLM: 602/041.000
INCLS: 428/103.000; 428/294.100
NCL NCLM: 602/041.000
NCLS: 428/103.000; 428/294.100
IC [7]
ICM: A61F013-00
EXF 602/41; 428/412; 428/103; 428/294.1
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 17 OF 27 USPATFULL
AN 1998:118632 USPATFULL
TI Iontopheretic system for stimulation of tissue healing and regeneration
IN Becker, Robert O., Box 278, Erie Canal Rd., Lowville, NY, United States
13367
Flick, A. Bartholomew, 1 Lake Rabun Rd., P.O. Box 2088, Lakemont, GA,
United States 30552
Becker, Adam J., 2 Chateaux Cir., Apt. 2L, Scarsdale, NY, United States
10583
PI US 5814094 19980929
AI US 6230466 19960328 (8)
DT Utility
FS Granted
LN.CNT 1316
INCL INCLM: 607/050.000
INCLS: 604/020.000
NCL NCLM: 607/050.000
NCLS: 604/020.000
IC [6]
ICM: A61M005-32
EXF 607/50; 604/20

L9 ANSWER 18 OF 27 USPATFULL
AN 97:26931 USPATFULL
TI Infection-resistant compositions, medical devices and surfaces and
methods for preparing and using same
IN Fox, Jr., Charles L., New York, NY, United States
Modak, Shanta M., River Edge, NJ, United States
Sampath, Lester A., Nyack, NY, United States
PA Trustees of Columbia University in The City of New York, New York, NY,
United States (U.S. corporation)
PI US 5616338 19970401
AI US 1991-687844 19910419 (7)
RLI Continuation of Ser. No. US 1988-258189, filed on 14 Oct 1988, now
patented, Pat. No. US 5019096 which is a continuation-in-part of Ser.
No. US 1988-254920, filed on 11 Feb 1988, now abandoned
DT Utility
FS Granted
LN.CNT 1864
INCL INCLM: 424/423.000
INCLS: 523/112.000
NCL NCLM: 424/423.000
NCLS: 523/112.000
IC [6]
ICM: A61F002-02
EXF 424/422; 424/423; 424/426; 523/112

L9 ANSWER 19 OF 27 USPATFULL
AN 96:60476 USPATFULL
TI Infection-resistant surgical devices and methods of making them
IN Gruskin, Elliott A., East Norwalk, CT, United States
Lee, Daniel R., Madison, CT, United States
Brown, Lloyd S., Guilford, CT, United States
PA United States Surgical Corporation, Norwalk, CT, United States (U.S.
corporation)
PI US 5534288 19960709
AI US 1995-389460 19950216 (8)
RLI Division of Ser. No. US 1993-134146, filed on 1 Jul 1993, now abandoned
which is a continuation-in-part of Ser. No. US 1993-36076, filed on 23
Mar 1993, now abandoned
DT Utility
FS Granted
LN.CNT 295
INCL INCLM: 427/002.310

INCLS: 427/394.000; 427/419.800
NCL NCLM: 427/002.310
NCLS: 427/394.000; 427/419.800
IC [6].
ICM: B05D001-36
ICS: B05D007-24; A61J003-00
EXF 427/2.3; 427/394; 427/419.8; 606/231

L9 ANSWER 20 OF 27 USPATFULL
AN 94:110579 USPATFULL
TI Topical anti-infective ointment containing silver or **silver salts** and antibiotics
IN Fox, Jr., deceased, Charles L., Fort Lauderdale, FL, United States
Ruf, legal representative, by Alan F., Fort Lauderdale, FL, United States
Modak, Shanta M., River Edge, NJ, United States
PA The Trustees of Columbia University of the City of New York, New York, NY, United States (U.S. corporation)
PI US 5374432 19941220
AI US 1989-387211 19890728 (7)
DT Utility
FS Granted
LN.CNT 314
INCL INCLM: 424/618.000
INCLS: 514/184.000; 514/252.000
NCL NCLM: 424/618.000
NCLS: 514/184.000; 514/253.080; 514/312.000
IC [5]
ICM: A61K033-38
EXF 424/618; 514/184; 514/252
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 21 OF 27 USPATFULL
AN 91:42239 USPATFULL
TI Infection-resistant compositions, medical devices and surfaces and methods for preparing and using same
IN Fox, Jr., Charles L., New York, NY, United States
Modak, Shanta M., River Edge, NJ, United States
Sampath, Lester A., Nyack, NY, United States
PA Trustees of Columbia University in the City of New York, New York, NY, United States (U.S. corporation)
PI US 5019096 19910528
AI US 1988-258189 19881014 (7)
RLI Continuation-in-part of Ser. No. US 1988-154920, filed on 11 Feb 1988, now abandoned
DT Utility
FS Granted
LN.CNT 2205
INCL INCLM: 623/001.000
INCLS: 623/011.000; 623/016.000; 002/167.000; 427/002.000; 427/385.500; 427/387.000; 427/407.100; 604/265.000; 606/151.000; 523/113.000; 523/122.000
NCL NCLM: 600/036.000
NCLS: 002/167.000; 427/002.240; 427/002.250; 427/002.280; 427/002.300; 427/002.310; 427/385.500; 427/387.000; 427/407.100; 523/113.000; 523/122.000; 604/265.000; 606/151.000; 623/921.000
IC [5]
ICM: A61F002-06
EXF 002/167; 002/168; 128/334R; 128/335.5; 427/2; 427/387; 427/393.5; 427/385.5; 427/407.1; 523/113; 523/115; 523/122; 604/265; 623/2; 623/11; 623/1; 623/10; 623/18; 606/151
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 22 OF 27 USPATFULL

AN 90:13239 USPATFULL
TI **Antimicrobial latex composition**
IN Umemura, Yoshihiro, Kyoto, Japan
Ozaki, Yasuhiko, Kyoto, Japan
Kawaide, Akihito, Kyoto, Japan
PA Unitika Ltd., Hyogo, Japan (non-U.S. corporation)
PI US 4902503 19900220
AI US 1988-275307 19881123 (7)
PRAI JP 1987-297106 19871125
JP 1987-297108 19871125
DT Utility
FS Granted
LN.CNT 518
INCL INCLM: 424/083.000
INCLS: 424/078.000; 424/081.000; 514/006.000; 514/184.000; 604/265.000
NCL NCLM: 514/006.000
NCLS: 424/618.000; 514/184.000; 604/265.000
IC [4]
ICM: A61K031-745
ICS: A61K031-74; A61K031-78; A01N055-02
EXF 424/78; 424/132; 424/81; 424/83; 514/6; 514/184; 604/265
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 23 OF 27 USPATFULL
AN 89:36502 USPATFULL
TI Method of manufacturing a composition for treating skin lesions
IN De Cuellar, Blanca Rosa A., Mexico City, Mexico
Bello, Luis Armando L., Cuidad Satelite, Mexico
PA Laboratorios Biochemie De Mexico, Col. Granada, Mexico (non-U.S.
corporation)
PI US 4828832 19890509
AI US 1987-18760 19870226 (7)
RLI Continuation-in-part of Ser. No. US 1985-810524, filed on 16 Dec 1985,
now abandoned which is a continuation of Ser. No. US 1983-530112, filed
on 7 Sep 1983, now abandoned
DT Utility
FS Granted
LN.CNT 967
INCL INCLM: 424/618.000
INCLS: 514/770.000
NCL NCLM: 424/618.000
NCLS: 514/770.000
IC [4]
ICM: A61K033-38
EXF 424/132; 424/125
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 24 OF 27 USPATFULL
AN 88:74053 USPATFULL
TI Heavy metal salts of hyaluronic acid and their use as
antimicrobial agents
IN Nimrod, Abraham, Rehovot, Israel
Greenman, Benjamin, Rehovot, Israel
PA Bio-Technology General Corp., New York, NY, United States (U.S.
corporation)
PI US 4784991 19881115
AI US 1987-23666 19870309 (7)
RLI Continuation-in-part of Ser. No. US 1986-840419, filed on 14 Mar 1986
DT Utility
FS Granted
LN.CNT 784
INCL INCLM: 514/062.000
INCLS: 514/021.000; 514/495.000; 514/500.000; 424/065.000; 424/095.000
NCL NCLM: 514/062.000

IC NCLS: 424/065.000; 514/021.000; 514/495.000; 514/500.000
[4]
ICM: A61K007-32
ICS: A01N063-02
EXF 424/1.1; 424/63; 424/64; 424/70; 424/78; 424/81; 424/95; 424/19-22;
514/15; 514/54; 514/495; 514/781; 514/800; 514/844; 514/886; 514/887;
514/912; 514/914; 514/8.62; 514/500; 524/27; 524/29; 525/54.2; 433/177;
536/4.1; 623/11; 623/16; 604/890-897
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 25 OF 27 USPATFULL
AN 88:32575 USPATFULL
TI Heavy metal salts of hyaluronic acid and their use as
antimicrobial agents
IN Nimrod, Abraham, Rehovot, Israel
Greenman, Benjamin, Rehovot, Israel
PA Bio-Technology General Corp., New York, NY, United States (U.S.
corporation)
PI US 4746504 19880524
AI US 1986-840419 19860314 (6)
DT Utility
FS Granted
LN.CNT 684
INCL INCLM: 424/001.100
INCLS: 424/078.000; 424/DIG.013; 424/028.000; 424/095.000; 424/081.000;
536/004.100; 524/027.000; 524/029.000; 525/054.200; 604/890.000;
514/054.000; 514/914.000; 514/825.000
NCL NCLM: 424/001.730
NCLS: 424/DIG.013; 514/054.000; 514/825.000; 514/914.000; 524/027.000;
524/029.000; 525/054.200; 536/004.100
IC [4]
ICM: A61K043-00
ICS: A01N063-02; A01N055-02; A01N031-295
EXF 424/DIG.13; 424/177; 424/1.1; 424/95; 424/81; 424/63; 424/64; 424/70;
424/78; 424/16; 424/19-22; 424/290; 424/287; 424/295; 424/28; 424/131;
424/132; 424/134; 424/361; 424/180; 424/181; 424/245; 424/29; 514/15;
514/54; 514/781; 514/844; 514/846; 514/847; 514/800; 514/912; 514/914;
524/27; 524/29; 525/54.2; 433/177; 536/4.1; 623/11; 623/16; 604/890-897;
422/245; 422/29
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 26 OF 27 USPATFULL
AN 75:71890 USPATFULL
TI Silver-zinc allantoinate compositions and method of killing bacteria and
fungi therewith
IN Margraf, Harry W., Clayton, MO, United States
PA Washington University, St. Louis, MO, United States (U.S. corporation)
PI US 3930000 19751230
AI US 1974-468228 19740509 (5)
RLI Division of Ser. No. US 1971-153820, filed on 16 Jun 1971, now patented,
Pat. No. US 3856805
DT Utility
FS Granted
LN.CNT 505
INCL INCLM: 424/245.000
INCLS: 424/028.000; 424/289.000; 424/290.000; 424/DIG.013; 61L/013.000
NCL NCLM: 514/184.000
NCLS: 424/DIG.013; 514/969.000
IC [2]
ICM: A01N009-00
ICS: A61K031-28; A61K031-555
EXF 260/299; 424/245; 424/289; 424/290
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 27 OF 27 USPATFULL
AN 74:60920 USPATFULL
TI SILVER ZINC ALLANTOIN COMPLEX
IN Margraf, Harry W., St. Louis, MO, United States
PA Washington University, St. Louis, MO, United States (U.S. corporation)
PI US 3856805 19741224
AI US 1971-153820 19710616 (5)
DT Utility
FS Granted
LN.CNT 507
INCL INCLM: 260/299.000
INCLS: 424/019.000; 424/028.000; 424/245.000
NCL NCLM: 548/109.000
IC [1]
ICM: C07D049-32
EXF 260/299
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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=> s silver salt

=> s water soluble protein
I-2 5187 WATER SOLUBLE PROTEIN

=> s whey protein

=> s antibacterial

=> s antifungal

=> s silver conjugated protein

=> s thiol

=> s l1 and l2

=> s 11 and 13
L9 1 L1 AND L3

=> s 11 and 14 and 15
L10 355 L1 AND L4 AND L5

=> s 110 and 12
L11 1 L10 AND L2

=> s 111 and 17
L12 1 L11 AND L7

=> d 112 1

L12 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
AN 2000:725660 CAPLUS
DN 133:286560
TI Silver-containing complex protein as **antibacterial/antifungal** agents and papers treated with the same
IN Kawaguchi, Yoshihiro
PA Katayama Chemical Inc., Japan
SO PCT Int. Appl., 61 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE

PI WO 2000059937 A1 20001012 WO 2000-JP2053 20000330
W: AU, CN, KR, NZ, US
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
PT, SE
JP 2000344798 A2 20001212 JP 2000-30690 20000208
PRAI JP 1999-96847 A 19990402
JP 2000-30690 A 20000208
RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 18 1-4

L8 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2003 ACS
AN 2000:725660 CAPLUS
DN 133:286560
TI Silver-containing complex protein as **antibacterial/antifungal** agents and
papers treated with the same
IN Kawaguchi, Yoshihiro
PA Katayama Chemical Inc., Japan
SO PCT Int. Appl., 61 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE

PI WO 2000059937 A1 20001012 WO 2000-JP2053 20000330
W: AU, CN, KR, NZ, US
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
PT, SE
JP 2000344798 A2 20001212 JP 2000-30690 20000208
PRAI JP 1999-96847 A 19990402
JP 2000-30690 A 20000208
RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 2 OF 4 USPATFULL
AN 1999:78794 USPATFULL
TI Redispersible powder compositions for preparing photographic recording materials
IN Kohlhammer, Klaus, Marktl, Germany, Federal Republic of
Roth-Greiner, Wolfgang, Weil am Rhein, Germany, Federal Republic of
Figge, Reiner, Ampfing, Germany, Federal Republic of
Haerzschel, Reinhard, Burghausen, Germany, Federal Republic of
PA Wacker-Chemie GmbH, Munich, Germany, Federal Republic of (non-U.S.
corporation)
PI US 5922789 19990713
AI US 1998-58328 19980409 (9)
PRAI DE 1997-197163505 19970418
DT Utility
FS Granted
LN.CNT 511
INCL INCLM: 524/017.000
INCLS: 524/022.000; 524/023.000; 524/024.000
NCL NCLM: 524/017.000
NCLS: 524/022.000; 524/023.000; 524/024.000
IC [6]
ICM: C08L057-04
ICS: D41M005-00; G03C001-04
EXF 524/17; 524/22; 524/23; 524/24
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 3 OF 4 USPATFULL
AN 82:42380 USPATFULL
TI Medicinally useful, shaped mass of collagen resorbable in the body
IN Wahlig, Helmut, Darmstadt, Germany, Federal Republic of
Dingeldain, Elvira, Dreieich, Germany, Federal Republic of
Braun, Dietrich, Darmstadt-Arheilgen, Germany, Federal Republic of
PA Merck Patent Gesellschaft mit beschränkter Haftung, Darmstadt, Germany,
Federal Republic of (non-U.S. corporation)
PI US 4347234 19820831
AI US 1981-273291 19810615 (6)
RLI Division of Ser. No. US 1979-82520, filed on 9 Oct 1979, now patented,
Pat. No. US 4291013
PRAI DE 1978-2843963 19780109
DT Utility
FS Granted
LN.CNT 638
INCL INCLM: 424/015.000
INCLS: 424/016.000; 424/019.000; 424/021.000; 424/022.000; 424/028.000;
424/036.000; 424/177.000; 424/359.000; 424/014.000; 128/260.000;
128/335.500; 003/001.900; 003/001.910
NCL NCLM: 424/426.000
NCLS: 514/801.000; 604/368.000; 606/229.000; 623/001.420
IC [3]
ICM: A61K009-22
ICS: A61K009-26; A61F013-00; A61L015-03
EXF 424/14; 424/15; 424/16; 424/19; 424/21; 424/22; 424/28; 424/36; 424/177;
424/359; 128/260; 128/335.5; 003/1.9; 003/1.91
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 4 OF 4 USPATFULL
AN 81:51845 USPATFULL
TI Medicinally useful, shaped mass of collagen resorbable in the body
IN Wahlig, Helmut, Darmstadt, Germany, Federal Republic of
Dingeldein, Elvira, Dreieich, Germany; Federal Republic of
Braun, Dietrich, Darmstadt, Germany, Federal Republic of
PA Merck Patent Gesellschaft Mit Beschränkter Haftung, Darmstadt, Germany,
Federal Republic of (non-U.S. corporation)

PI US 4291013 19810922
AI US 1979-82520 19791009 (6)
PRAI DE 1978-2843963 19781009
DT Utility
FS Granted
LN.CNT 639
INCL INCLM: 424/016.000
INCLS: 128/260.000; 424/014.000; 424/019.000; 424/021.000; 424/022.000;
424/028.000; 424/036.000; 424/078.000; 424/359.000; 424/095.000;
003/001.900
NCL NCLM: 424/426.000
NCLS: 424/572.000; 514/773.000; 530/356.000
IC [3]
ICM: A61K009-22
ICS: A61K009-26; A61F013-00; A61L015-03
EXF 424/16; 424/19-22; 424/28; 424/36; 424/78; 424/359; 424/95; 128/260;
128/335.5; 003/1.9; 003/1.91
CAS INDEXING IS AVAILABLE FOR THIS PATENT.